CATHODE.

Thoriated tungsten filament
Voltage 10 V
Nominal current 33 A
Peak emission 12 A

RATING.

Amplification factor \( \left\{ \begin{array}{c}
\text{Measured at} \\
\text{V}_a 5\text{kV}, I_a 0.8\text{A}
\end{array} \right\} \) 26
Impedance 3,450 \( \Omega \)

DIRECT INTER-ELECTRODE CAPACITIES.

Grid to anode 12 pF
Grid to filament 11.5 pF
Anode to filament 1.5 pF

WATER COOLING.

Water jacket type 235/LU3
Normal water flow 3 galls/min.

DIMENSIONS.

Maximum overall length 355 mm.
Maximum width 149 mm.
Net weight 905 g

MAXIMUM RATINGS.

Maximum direct anode voltage 10 kV
Maximum direct anode current 2 A
Maximum direct grid current 0.25 A
Maximum anode dissipation 5 kW

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TYPICAL OPERATING CONDITIONS

RADIO FREQUENCY

Class B Telephony. Modulated carrier applied to grid.
(Carrier conditions per valve for use with 100% modulation).

Direct anode voltage   8 kV
Grid bias             —480 V
Direct anode current  0.8 A
Peak R.F. grid voltage 700 V
*Direct grid current  20 mA approx.
Output               2 kW approx.

Class C Power Amplifier. Anode subject to modulation.
(Carrier conditions per valve for use with 100% modulation).

Direct anode voltage   8 kV
Grid bias             —1,000 V
Direct anode current  0.8 A
Peak R.F. grid voltage 1,700 V
* Direct grid current 120 mA approx.
Output               4.5 kW approx.

Class C Power Amplifier or Oscillator—unmodulated.

Direct anode voltage   10 kV
Grid bias             —800 V
Direct anode current  1 A
Peak R.F. grid voltage 1,500 V
* Direct grid current 120 mA approx.
Output               7.3 kW approx.

* Subject to wide variation depending upon the impedance of the load circuit.

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